FORM P.W.G.-45 WORK SLIP

Of Works : Construction of basketball court and Alide park developments in sharadamba nagara in ward no 16

: Bruhat Bangalore Mahanagar Palike

Agency:-

Sl No	Tender Item No.	Unit	As per BOQ			Executed beyond tender quantity up to 125%			Executed over & above 125% of tender quantity			As per actuals/Anticipated		Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, dispersed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1	cum	1070.75	380.00	406885.00	275.00	380.00	104500.00	0.00	0.00	0.00	275.00	104500.00	-302385.00	0.00	
2	KSRB 2-2.1 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.as per specifications. 2.3 KSRB 2-2.1. - do - in ordinary soil. No. KBS 2.1(a) / 2.3.5 (Page - 5/ Item no.2.3)	cum	552.60	436.00	240933.60	153.36	436.00	66864.96	0.00	0.00	0.00	153.36	66864.96	-174068.64	0.00	
3	KSRB 4-1.2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/1.No. 4.2 (2018-19)	cum	49.85	5781.00	288182.85	24.77	5781.00	143183.81	0.00	0.00	0.00	24.77	143183.81	-144999.04	0.00	
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	cum	224.32	5115.00	1147396.80	38.59	5115.00	197398.08	0.00	0.00	0.00	38.59	197398.08	-949998.72	0.00	
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	cum	160.65	6103.00	980446.95	14.47	6103.00	88322.62	0.00	0.00	0.00	14.47	88322.62	-892124.33	0.00	
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum	22.43	6035.00	135365.05	3.78	6035.00	22812.30	0.00	0.00	0.00	3.78	22812.30	-112552.75	0.00	
7	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	714.00	157.00	112098.00	133.20	157.00	20912.40	0.00	0.00	0.00	133.20	20912.40	-91185.60	0.00	
8	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.Page No. 27/ Item No. 5.29.2/ PWD SR 2018-19	Sqm	1697.78	491.00	833609.98	0.00	491.00	0.00	0.00	0.00	0.00	0.00	0.00	-833609.98	0.00	
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No. 180/ Item No. 24.1/ PWD SR 2018-19	Sqm	305.60	89.00	27198.40	0.00	89.00	0.00	0.00	0.00	0.00	0.00	0.00	-27198.40	0.00	
10	KSRB 14.6-1 Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints,	Sqm	859.80	1230.00	1057554.00	0.00	1230.00	0.00	0.00	0.00	0.00	0.00	0.00	-1057554.00	0.00	
11	KSRRB M300- 2.1 Grassing with Doobs grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving including upplying good earth if needed complete as per specifications. MORTH Specification No. 307 i) In rows 15 cm apart in either direction.	Sqm	1968.00	51.00	100368.00	0.00	51.00	0.00	0.00	0.00	0.00	0.00	0.00	-100368.00	0.00	

Scanned with CamScanner

Sl No	Tender Item No.	Unit	As per BOQ			Executed beyond tender quantity up to 125%			Executed over & above 125% of tender quantity			As per actuals/Anticipated		Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation.	Sqm	7.20	3352.00	24134.40	3.60	3352.00	12067.20	0.00	0.00	0.00	3.60	12067.20	-12067.20	0.00	12067.20	
13	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications. KPWD S.R 2018-19 Page No. 266 I.No. 37.2	Mtr	293.40	950.00	278730.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00	-278730.00	0.00	278730.00	
14	Providing and fixing M.S. Block pipe of 38mm dia. of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.KPWD S.R 2018-19 Page No. 266 I.No. 37.4	Mtr	464.80	454.00	211019.20	0.00	454.00	0.00	0.00	0.00	0.00	0.00	0.00	-211019.20	0.00	211019.20	
15	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications. .KPWD S.R 2018-19 Page No. 266 I.No. 37.3	Sqm	891.00	796.00	709236.00	530.40	796.00	422198.40	0.00	0.00	0.00	530.40	422198.40	-287037.60	0.00	287037.60	
16	Supplying and fixing polished grey granite slab benches of size 5 feet width of seating slab with bottom slab of 75mm th. with 1.5 feet width with two stands strong base with back slab (suport) machine cutting top slab mirror polish with 50 mm Th. with 1.5 feet depth side slab of 100 mm th. 2.5 feet height including bull nosing of all edges, fixing in CC 1:2:4 including loading & unloading and with all lead and lift etc., complete and executing the work as per the direction of Engineer-in-charge of the work	No	30.00	10500.00	315000.00	0.00	10500.00	0.00	0.00	0.00	0.00	0.00	0.00	-315000.00	0.00	315000.00	
17	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178/AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long J bolts along with templatic and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended 10 meters - Top 70mm and bottom 175mm dia(4.2.8) pg no.13	No	8.00	15713.00	125704.00	0.00	15713.00	0.00	0.00	15713.00	0.00	0.00	0.00	-125704.00	0.00	125704.00	
18	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures Operating voltage range from 180V to 265V, 50Hz AC power Supply 240W 5700K suitable for outdoor LED fitting. (13.52.9)	No	8.00	8757.00	70056.00	0.00	8757.00	0.00	0.00	8757.00	0.00	0.00	0.00	-70056.00	0.00	70056.00	

Scanned with CamScanner

	Tender Item No.	Unit	As per BOQ			Executed beyond tender quantity up to 125%			Executed over & above 125% of tender quantity			As per actuals/Anticipated		Excess	Savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
19	KSRRB M300-14 Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19	cum	190.20	88.00	16737.60	218.40	88.00	19219.20	0.00	0.00	0.00	218.40	19219.20	2481.60	2481.60	0.00	
20	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19	cum	189.00	2080.00	393120.00	162.00	2080.00	336960.00	0.00	0.00	0.00	162.00	336960.00	-56160.00	0.00	56160.00	
23	KSRRB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 cum base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates at 0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5-do- with OPC at	cum	95.10	4071.00	387152.10	82.20	4071.00	334636.20	0.00	0.00	0.00	82.20	334636.20	-52515.90	0.00	52515.90	
12	Constructing un-reinforced plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS.383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of	cum	95.10	5405.00	514015.50	118.88	5405.00	642519.38	32.98	5878.27	193847.79	151.85	836367.17	322351.67	322351.67	0.00	
23	Vaccum de-watering with vaccum pump and suction mat and . compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Pg:176 Item No 22.7 in SR 2018-19	Sqm	630.00	76.00	47880.00	0.00	76.00	0.00	0.00	0.00	0.00	0.00	0.00	-47880.00	0.00	47880.00	
24	Basket ball marking with white paint in machine as per the drawing	Sqm	1.00	50000.00	50000.00	1.25	50000.00	62500.00	2.75	50000.00	137500.00	4.00	200000.00	150000.00	150000.00	0.00	
25	Basket ball net and board with M.S pole firmly fixed with concrete	Sqm	2.00	125000.00	250000.00	2.00	125000.00	250000.00	0.00	0.00	0.00	2.00	250000.00	0.00	0.00	0.00	

Scanned with CamScanner

Tender Item No.	Unit	As per BOQ			Executed beyond tender quantity up to 125%			Executed over & above 125% of tender quantity			As per actuals/Anticipated		Excess	Savings	Remarks
		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
KSRRB M2300-9.2 Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification M-40 grade complete as per specifications E. PSC Grade M-40, Case - 1 : Using Concrete Mixer MORTH Specification No. 1500,1600 & 1700, Height up to 5 m (P-236, I.No.29.20.1)	cum	5.25	7856.00	41244.00	5.57	7856.00	43718.64	0.00	0.00	0.00	5.57	43718.64	2474.64	2474.64	0.00	
KSRRB M2300-14 Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications MORTH Specification No. 1600, TMT bars Fe 500 (Page No. 239, Item No. 29.29.2)	Tonne	0.34	77544.00	26364.96	0.43	77544.00	32956.20	6.76	77196.10	521711.34	7.18	554667.54	528302.58	528302.58	0.00	
Amount as per Schedule "B"				8790432.39			2800769.38			853059.14		3653828.51				

Total Rs	8790432.39	Amount as per Execution	3653828.51
Savings		ERL Amount	5134437.95
Excess	8790432.39	Total Execution Cost	8788266.46
	6142214.37		
	1005610.49	Total Execution Cost	8788266.46

Work slip = $\frac{1005610.49}{8790432.39} \times 100$

= 11.43 %

"Here by work slip amount Rs: 10,05,610/- [Rs Ten lakes five thousand six hundred ten only] approved"

Assistant Engineer
Ward No-16
BBMP, Bangalore

Asst Executive Engineer
Yeshwanthpura Sub Division
BBMP, Bangalore

Executive Engineer
R. R. Nagara Division
BBMP, Bangalore

Contractor / Representative

Scanned with CamScanner